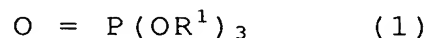


Claims

1. A lubricating oil composition for internal combustion engine, comprising a lubricating base oil; (A) a triphosphate represented by formula (1) below in an amount of 0.01 to 0.2 percent by mass in terms of phosphorus; (B) succinimide and/or derivative thereof in an amount of 0.01 to 0.3 percent by mass in terms of nitrogen; (C) an alkali metal or alkaline earth metal detergent in an amount of 0.05 to 1 percent by mass in terms of metal; and (D) a phenol-based and/or amine-based anti-oxidants in an amount of 0.01 to 3 percent by mass:



wherein the groups of R^1 are each independently a hydrocarbon group having 1 to 30 carbon atoms and are the same or different from each other.

2. The lubricating oil composition for internal combustion engine according to claim 1 wherein said alkali metal or alkaline earth metal detergent contains an alkali metal or alkaline earth metal salicylate detergent.

3. The lubricating oil composition for internal combustion engine according to claim 2 wherein said alkali metal or alkaline earth metal salicylate

detergent is an alkali metal or alkaline earth metal salicylate detergent whose metal ratio represented by "valence of metal element x metal element content (mol) / soap group content (mol)" is 3 or less.

4. The lubricating oil composition for internal combustion engine according to claim 2 wherein said alkali metal or alkaline earth metal detergent is a mixture of an alkali metal or alkaline earth metal salicylate detergent whose metal ratio represented by "valence of metal element x metal element content (mol) / soap group content (mol)" is 1.5 or less and an alkali metal or alkaline earth metal salicylate detergent whose metal ratio is more than 1.5.

5. The lubricating oil composition for internal combustion engine according to claim 2 wherein said alkali metal or alkaline earth metal detergent is a mixture of an alkali metal or alkaline earth metal salicylate detergent whose metal ratio represented by "valence of metal element x metal element content (mol) / soap group content (mol)" is 1.5 or less and an alkali metal or alkaline earth metal sulfonate detergent.

6. The lubricating oil composition for internal combustion engine according to claim 1 which contains a sulfur-containing anti-wear agent in an amount of 0.1

percent by mass or less in terms of sulfur.

7. The lubricating oil composition for internal combustion engine according to claim 1 which contains a lubricating base oil whose aromatic content is 3 percent by mass or less and sulfur content is 50 ppm by mass or less.

8. The lubricating oil composition for internal combustion engine according to claim 1 which is used in an internal combustion engine using a fuel whose sulfur content is 50 ppm by mass or less.

9. The lubricating oil composition for internal combustion engine according to any one of claims 1 to 8 which is used in gas engines.